

We claim:

1. An intermediate lens pad having a first side which is secured to the curved surface of a lens tool when the pad is in use, and a surface on its other side which is substantially smooth, but which is open in the sense that the said surface is formed with a multiplicity of substantially uniformly distributed holes or recesses which are at least of an order of magnitude smaller than the pad itself, whereby a lens surfacing pad having a peel-off adhesive on one side and a working surface on its other side, can be secured by its adhesive side to the intermediate pad to an extent which inhibits relative movement between the pads during surfacing, whilst allowing ready manual removal of the surfacing pad for replacement by a different surfacing pad.
2. An intermediate lens pad according to claim 1, wherein the holes or recesses each have a diameter substantially in the range from 0.2mm to 8mm.
3. An intermediate lens pad according to claim 1, wherein the holes or recesses are arranged in honeycomb formation.
4. An intermediate lens pad according to claim 1, wherein the material of the intermediate lens pad comprises a plastics material.
5. An intermediate lens pad according to claim 4, wherein the material of the intermediate lens pad comprises polyvinyl chloride.

6. A lens tool assembly comprising a lens tool, an intermediate lens pad according to claim 1, and a lens surfacing pad having one side provided with adhesive by which it is secured to the intermediate pad.

7. A method of surfacing a lens using a lens tool assembly according to claim 6.

8. An intermediate lens pad having a first side which is secured to the curved surface of a lens tool when the pad is in use, and a surface on its other side which is substantially smooth, but which is open in the sense that the said surface is defined by the outer surfaces of a multiplicity of protuberances uniformly distributed over the pad such that the minimum space between adjacent protuberances is of an order of magnitude smaller than the pad itself, whereby a lens surfacing pad having a peel-off adhesive on one side and a working surface on its other side, can be secured by its adhesive side to the intermediate pad to an extent which inhibits relative movement between the pads during surfacing, whilst allowing ready manual removal of the surfacing pad for replacement by a different surfacing pad.

9. An intermediate lens pad according to claim 8, wherein the spaces between adjacent protuberances each has a width substantially in the range from 0.2mm to 8mm.

10. An intermediate lens pad according to claim 8, wherein the protuberances are arranged in honeycomb fashion.

11. An intermediate lens pad according to claim 8, wherein the material of the intermediate lens pad comprises plastics material.

12. An intermediate lens pad according to claim 11, wherein the material of the intermediate lens pad comprises polyvinyl chloride.

13. A lens tool assembly comprising a lens tool, an intermediate lens pad according to claim 8, and a lens surfacing pad having one side provided with adhesive by which it is secured to the intermediate pad.

14. A method of surfacing a lens using a lens tool assembly according to claim 13.